

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WQ9XWG

(Call Sign)

XT MO

(Class of Station)

1126-EX-ST-2020

(File Number)

NAME ShawnTech Communications

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Provide a secure communications/private mobile radio service to Agencies to manage and control mobile device interdiction and extract contraband communication devices.

Station Locations

- (1) MOBILE: South Dakota State Penitentiary, Sioux Falls, SD, centered around NL 43-33-58; WL 96-43-37

Frequency Information

MOBILE: South Dakota State Penitentiary, Sioux Falls, SD, centered around NL 43-33-58; WL 96-43-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
716-746 MHz	MO	30M0D7E	10 W (Output Power)	0.5 %
746-757 MHz	MO	11M0D7E	10 W (Output Power)	0.5 %
775-776 MHz	MO	1M00D7E	10 W (Output Power)	0.5 %

This authorization effective August 05, 2020 and
will expire 3:00 A.M. EST February 02, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: South Dakota State Penitentiary, Sioux Falls, SD, centered around NL 43-33-58; WL 96-43-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
855-869 MHz	MO	14M0D7E	10 W (Output Power)	0.5 %
869-894 MHz	MO	25M0D7E	10 W (Output Power)	0.5 %
1710-1780 MHz	MO	70M0D7E	10 W (Output Power)	0.5 %
1930-1990 MHz	MO	60M0D7E	10 W (Output Power)	0.5 %
2110-2200 MHz	MO	45M0D7E	10 W (Output Power)	0.5 %
2502-2690 MHz	MO	188MD7E	10 W (Output Power)	0.5 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) Licensee shall successfully secure consents from the Advanced Wireless Service licensees prior to accessing to 1710-1780 MHz band and the frequency range from 2110 MHz to 2200 MHz.
- (4) Licensee shall successfully obtain consents from the Educational Broadband Service and Broadband Radio Service licensees prior to accessing to the frequency range from 2502 MHz to 2690 MHz.

Special Conditions:

- (5) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 50 miles of the contours of the testing area:
 - 700 MHz Lower Band licensees (698-746 MHz)
 - 700 MHz Upper Band licensees (746-758 MHz and 775-788 MHz)
 - SMR licensees (809-824 MHz/854-869 MHz)
 - B/ILT licensees (809-824 MHz/854-869 MHz)
 - Cellular licensees (824-849 MHz/869-894 MHz)
 - Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
- (6) Stop buzzer: Garrett Loo at 937-898-4724, gloo@shawntech.com
- (7) Prior to commencing any operations in the 2180-2190 MHz frequency band, the applicant must notify the earth station licensees the test dates and provide a stop buzzer in case of interference:
- (8) Prior to commencing any operations in the 2190-2200 MHz frequency band, the applicant must notify the earth station licensees the test dates and provide a stop buzzer in case of interference: